US Army Corps
of Engineers
South Atlantic Division

South Atlantic Region

2007 Regional Response Table Top Exercise EOC Briefing

Scenario 3

EXERCISE EXERCISE
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US Army Corps of Engineers
South Atlantic Division

Table of Contents

SITUATION
Weather
- Satellite
- QPF projection map
- Potential Flood Risks

Personnel
- Accountability
- Strengths (deployments/contractors/other Federal)

MISSION
- Mission Assignments

PFO/FCO/RRCC/State Priorities

EXECUTION

- District Updates (CCIR)

Next 24 Hours

CCIR

Commander's Guidance

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Situation Assessment

Weather

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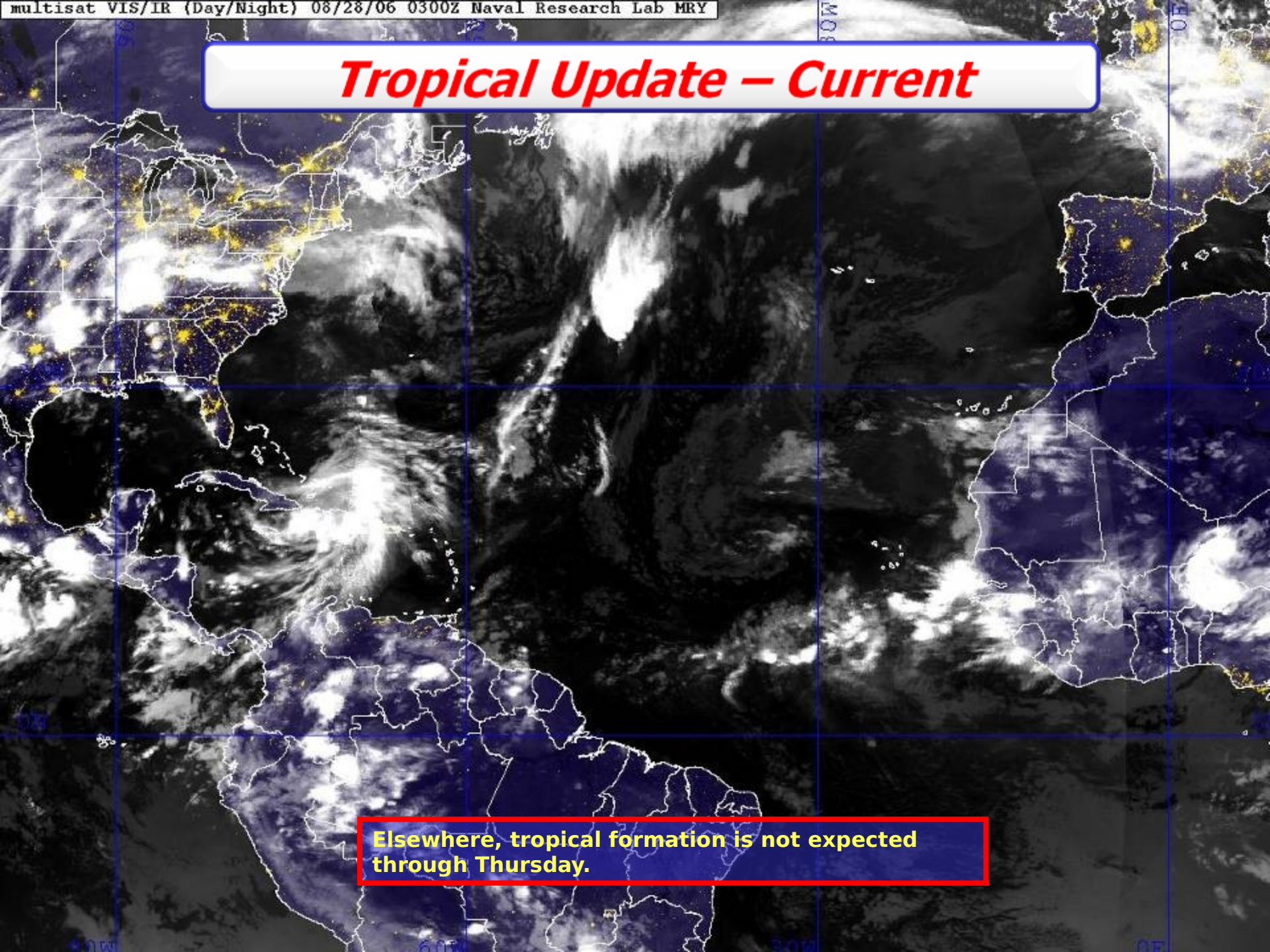
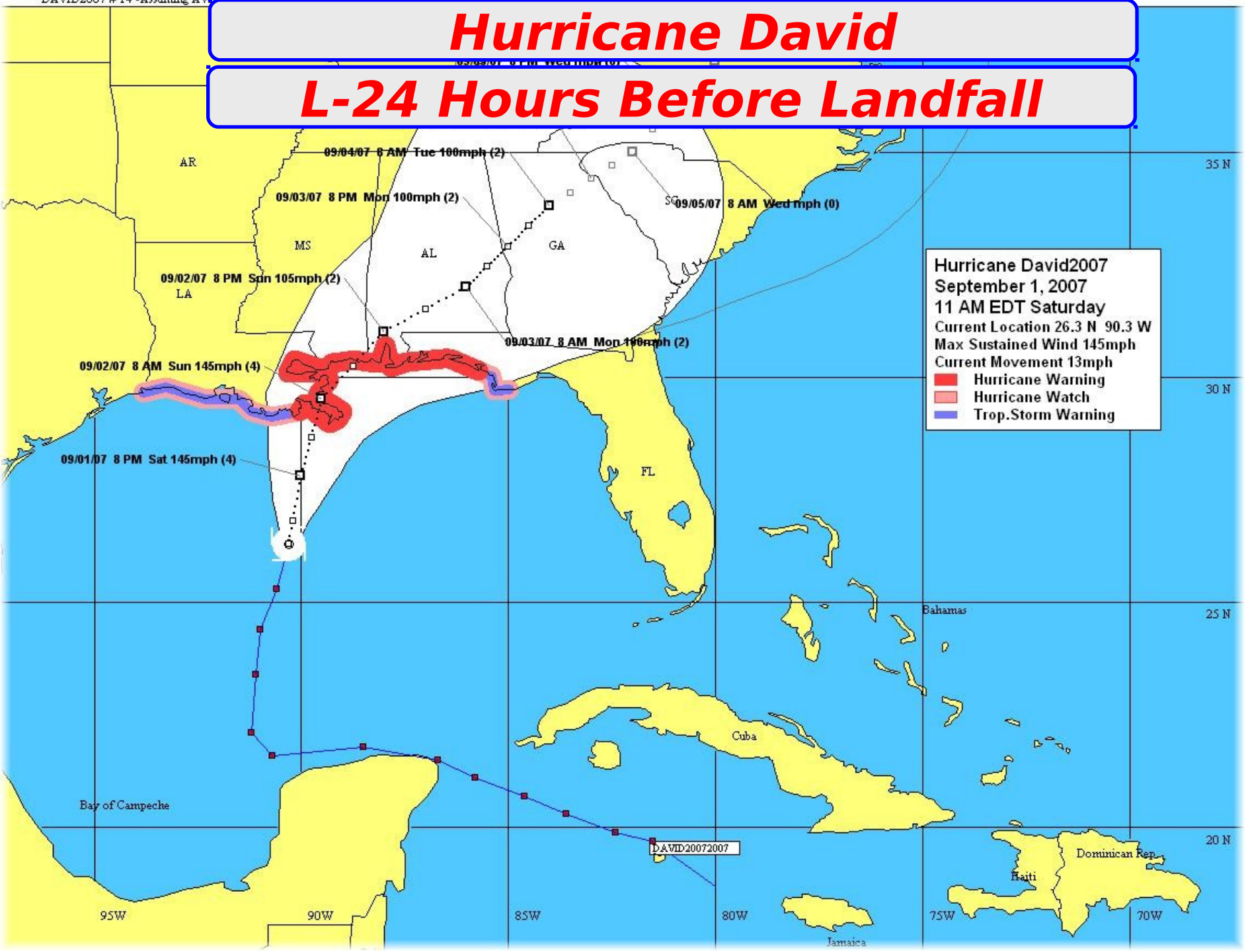

multisat VIS/IR (Day/Night) 08/28/06 0300Z Naval Research Lab MRY
Tropical Update – Current
Elsewhere, tropical formation is not expected through Thursday.

Hurricane David

L-24 Hours Before Landfall



Flood Risks

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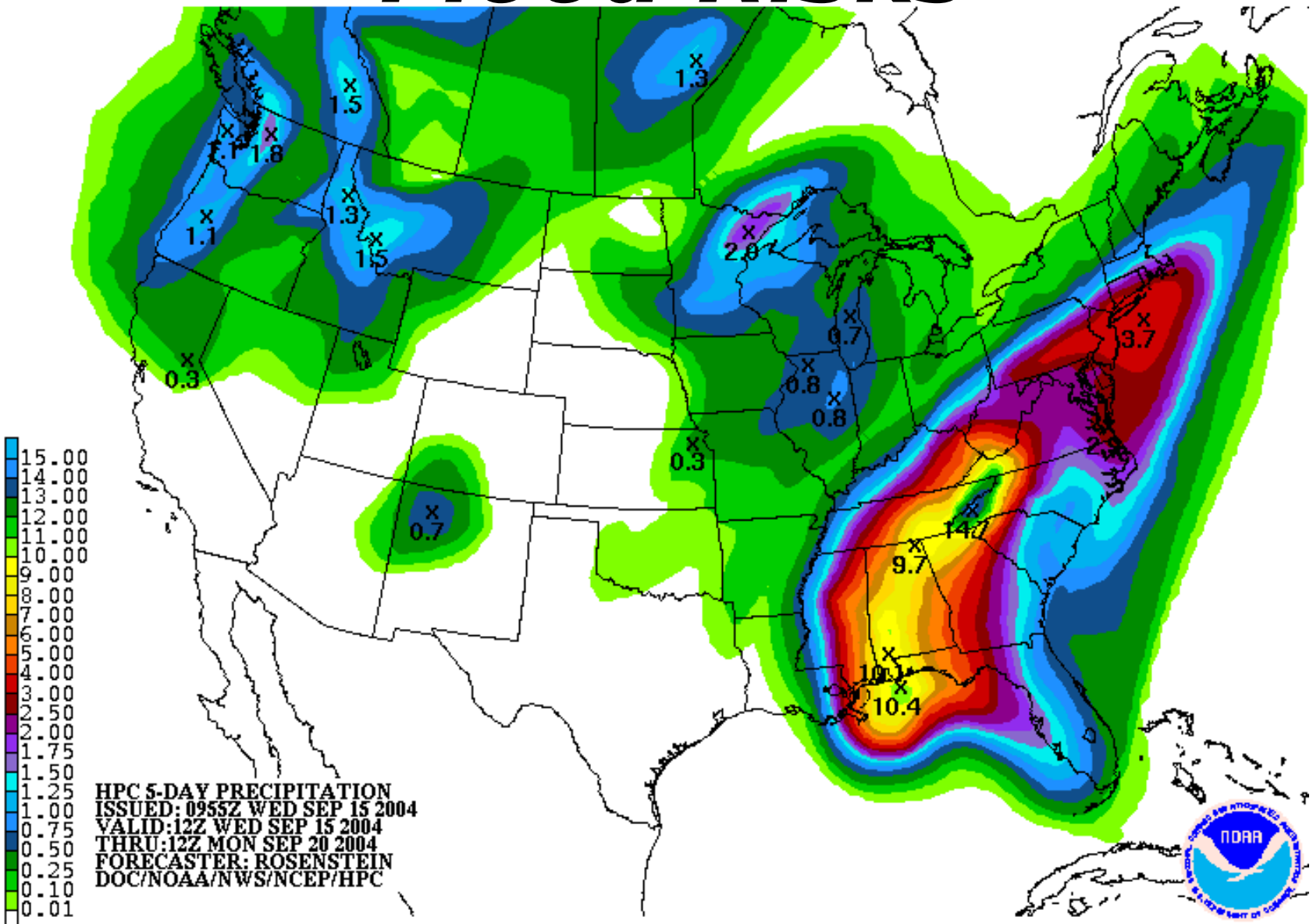

This product is now issued by the HPC by 1230 UTC daily.

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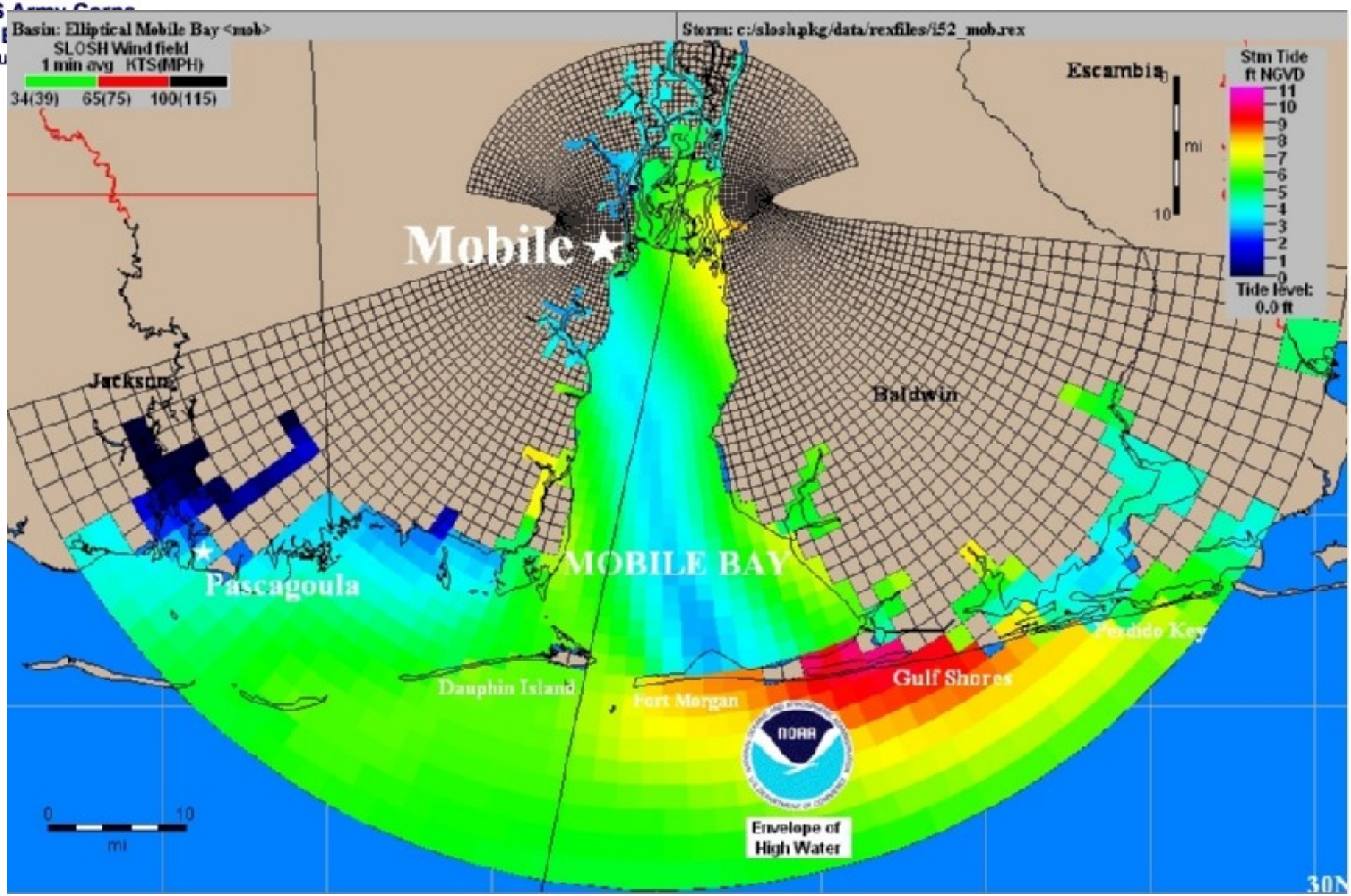
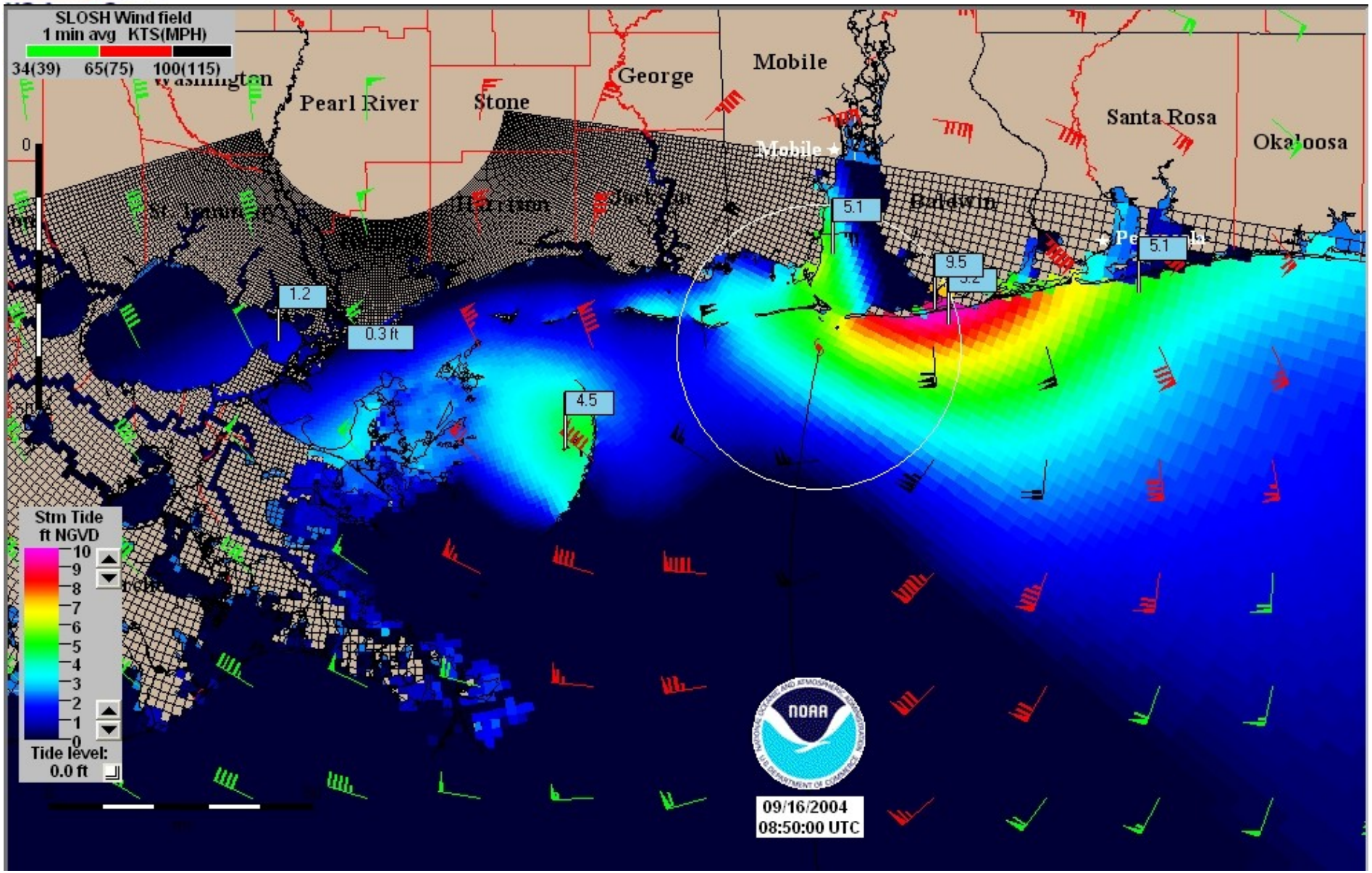

Basin: Elliptical Mobile Bay <mob>
Storm: c:/sloshpkg/data/rexfiles/i52_mob.rex
SLOSH Wind field
1 min avg KTS(MPH)
34(39) 65(75) 100(115)
Escambia
mi
10
Stm Tide
ft NGVD
11
10
9
8
7
6
5
4
3
2
1
0
Tide level:
0.0 ft
Mobile
Jackson
Baldwin
MOBILE BAY
Pascagoula
Perdido Key
Gulf Shores
Dauphin Island
Fort Morgan
NOAA
0
10
mi
Envelope of
High Water


SLOSH Wind field
1 min avg KTS(MPH)
34(39) 65(75) 100(115)
Pearl River
Stone
George
Mobile
Santa Rosa
Baldwin
5.1
9.5
1.2
0.3 ft
4.5
Stm Tide
ft NGVD
10
9
8
7
6
5
4
3
2
1
0
Tide level:
0.0 ft
NOAA
09/16/2004
08:50:00 UTC

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Personnel

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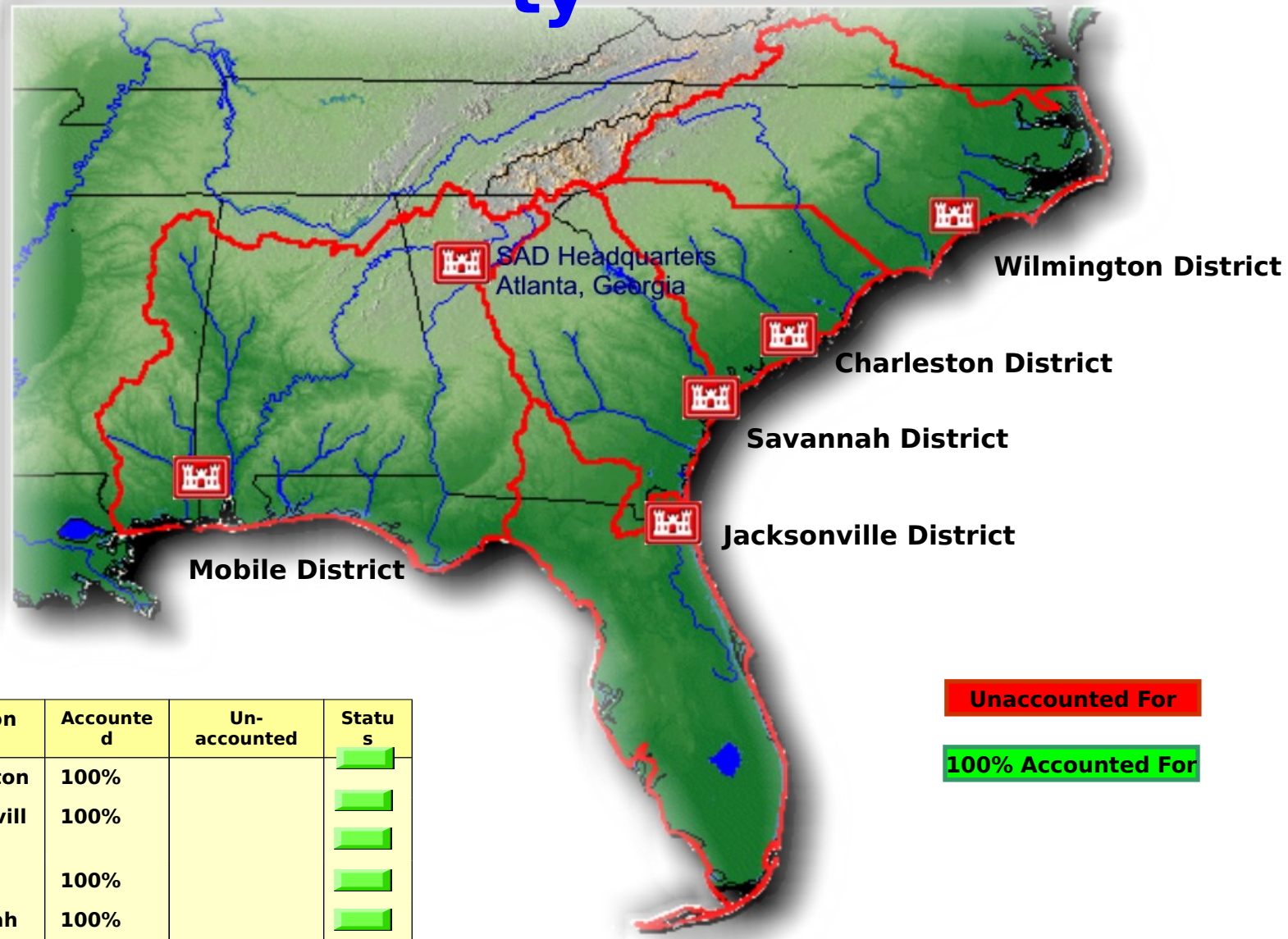
Accountability



Location	Accounted	Un-accounted	Status
Charleston	100%		
Jacksonville	100%		
Mobile	100%		
Savannah	100%		
Wilmington	100%		

Unaccounted For

100% Accounted For

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Deployments and Assignments

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Mission Assignments

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South Atlantic Division

Mission Assignments Funding Status

Funding

Pre-Declaration - David

•Regional Activation -	$130,000
•Emergency Power -	$300,000
•National Ice -	$175,000
•Commodities -	$100,000
•Temporary Roofing -	$20,000
•Temporary Housing -	$20,000
•Debris -	$20,000
•Logistics -	$100,000
•National Activation -	$100,000
•Tech Assistance -	$30,000
•DTOS -	$0
•RFO	$0
•GIS -	$0
TOTAL:	$995,000

Priorities

	Requested	Delivered	Status
Power			
Ice			
Water			
Plastic			
Tarps			

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Execution

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Mobile District Operation

Impacted District (Debris)

Commander's Critical Information Requirements (CCIR)

- People
  - Safety and Security
  - Accountability
- Ethics
- Missions
  - Changes to current Mission Assignments
  - New Mission Assignments
- COOP
- Response Team Deployments
- Status of Corps Projects
- Future Operations

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US Army Corps of Engineers
South Atlantic Division

ENGLink INTERACTIVE

Hurricane Ivan Wind Distribution

Landfall Expected Within **24** Hours

For Official Use Only!

Most Probable Landfall Wind Distribution

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 09/15/2004)*** forecast.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers	**Hurricane Ivan Wind Field**
Sources: HURREVAC LRL-DEBRIS	**CELRL-OP GIS Group** (Louisville Operations Division GIS)
Generated By: Terry Siemsen	
Generated Date: 0630 EDT 09/15/2004	Page 1 of 1

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South Atlantic Division

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Hurricane Ivan Households Model

Landfall Expected Within **24** Hours

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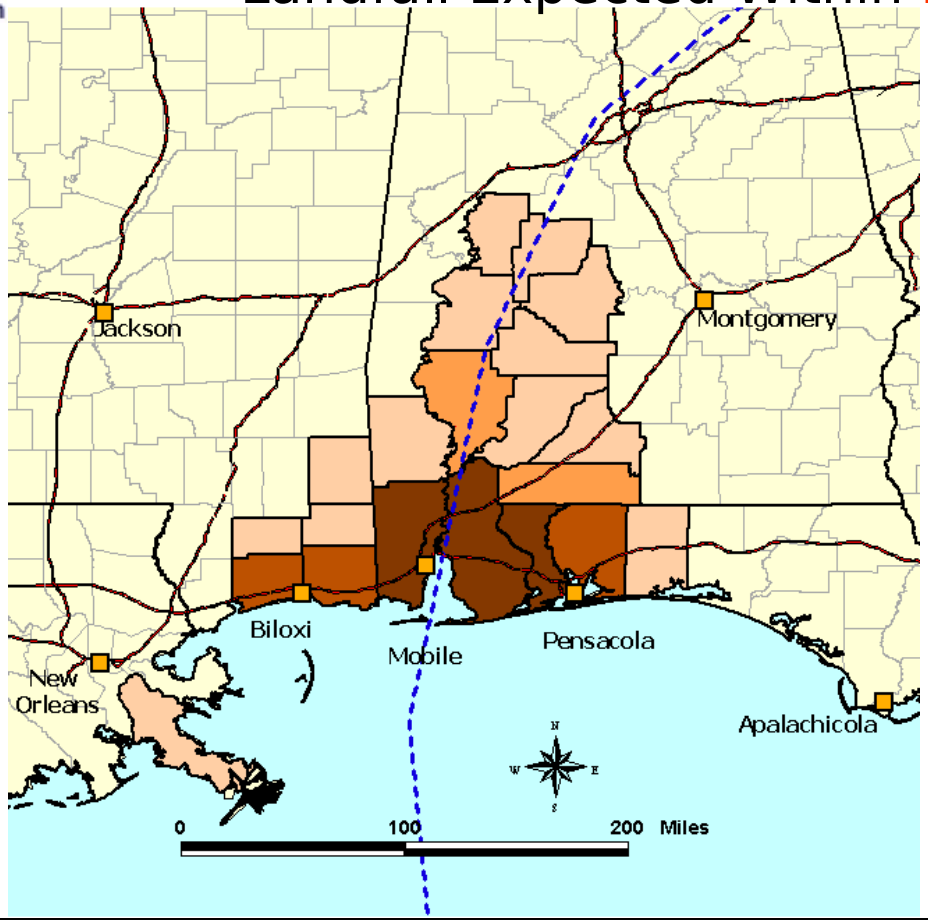

Most Probable Landfall Households Model Results

Alabama - 265,000 households
Mississippi - 84,000 households
Florida - 158,000 households
Louisiana - 1,000 households

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 09/15/2004)*** forecast.

The number of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers

Hurricane Ivan Households Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
0630 EDT
09/15/2004

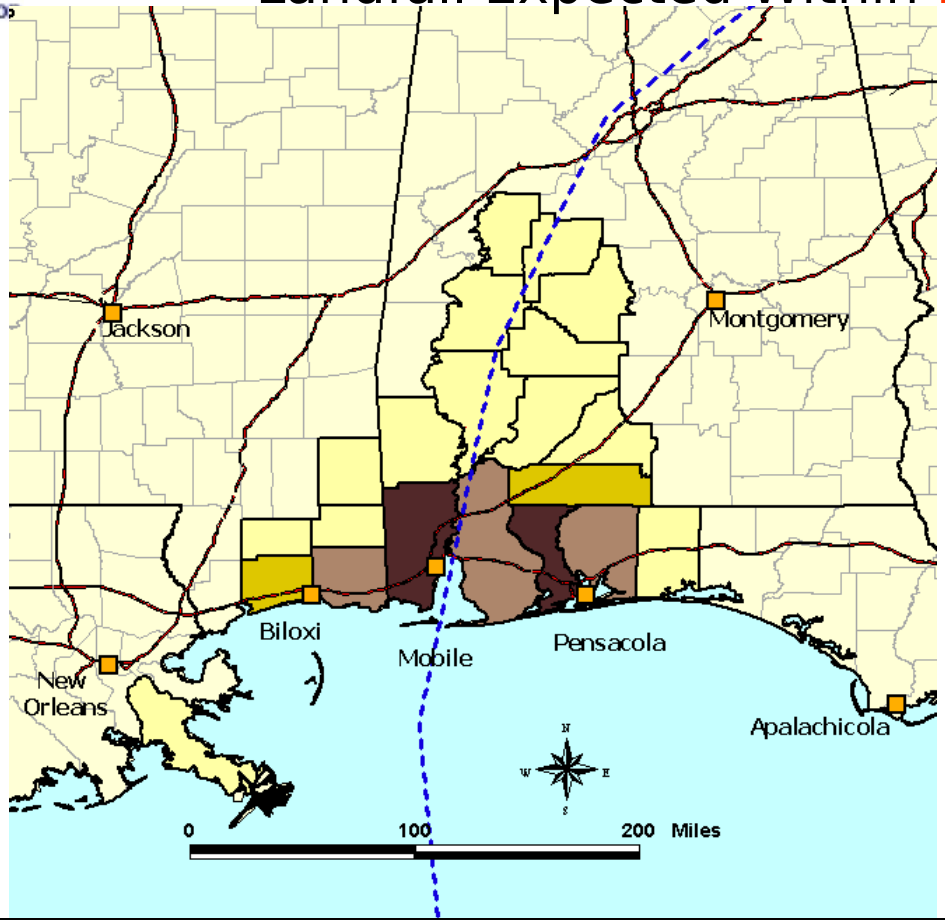
CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Ivan Population Model

Landfall Expected Within **24** Hours

For Official Use Only!



Most Probable Landfall Population Model Results

Alabama - 645,000 persons
Mississippi - 227,000 persons
Florida - 421,000 persons
Louisiana - 3,000 persons

Model results per county on following page

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The number of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Ivan Population Model

Sources: HURREVAC, LRL-DEBRIS

Generated By: Terry Siemsen

Generated Date 0630 EDT 09/15/2004

CELRL-OP GIS Group

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Hurricane Ivan Debris Model

Landfall Expected Within **24** Hours

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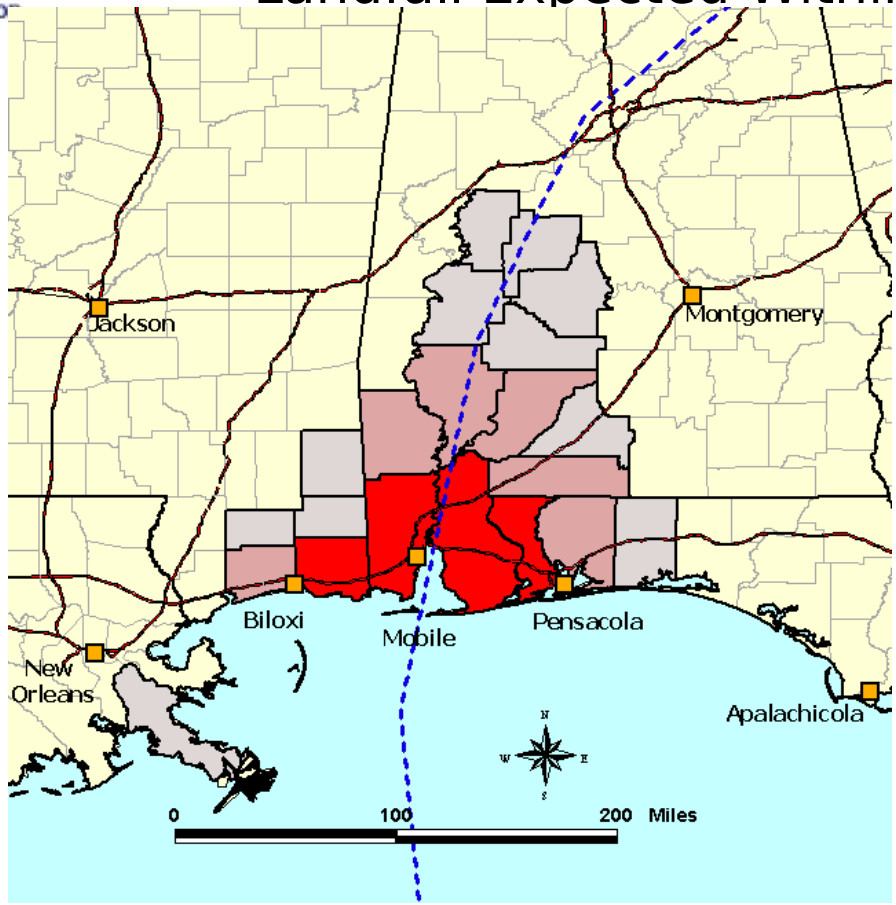

Most Probable Landfall Debris Model Results

Alabama – 14,630,000 yd^3
Mississippi – 1,464,000 yd^3
Florida – 2,545,000 yd^3
Louisiana – 6,000 yd^3

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 09/15/2004)*** forecast.

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers	**Hurricane Ivan Debris Model**
Sources: HURREVAC LRL-DEBRIS	**CELRL-OP GIS Group** (Louisville Operations Division GIS)
Generated By: Terry Siemsen	
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EXERCISE

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South Atlantic Division

Jacksonville District Operation (Division Forward/Roofing)

Commander's Critical Information Requirements (CCIR)

- People
  - Safety and Security
  - Accountability
- Ethics
- Missions
  - Changes to current Mission Assignments
  - New Mission Assignments
- COOP
- Response Team Deployments
- Status of Corps Projects
  - **Lake Okeechobee**
- Future Operations

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US Army Corps of Engineers
South Atlantic Division

ENGLink INTERACTIVE

Hurricane Ivan
Temporary Roofing Model Results

Landfall Expected Within **24** Hours

For Official Use Only!

Most Probable Landfall Temporary Roofing Model Results

Alabama – 26,550
Mississippi - 8,250
Florida – 6,500

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500EDT 9/15/2004)*** forecast.

The amount of temporary roofing that may be required is based on no roofing need in CAT 1 wind areas, no roofing need in CAT 2 wind areas, 4% of housing units damaged in CAT 3 wind areas, and 8% of housing units damaged in CAT 4 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers
Hurricane Ivan Temp Roofing Model

Sources: HURREVAC LRL-DEBRIS	**CELRL-OP GIS Group** (Louisville Operations Division GIS)
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South Atlantic Division

Charleston District Operation (National Ice Mission)

Commander's Critical Information Requirements (CCIR)

- People
  - Safety and Security
  - Accountability
- Ethics
- Missions
  - Changes to current Mission Assignments
  - New Mission Assignments
- COOP
- Response Team Deployments
- Status of Corps Projects
- Future Operations

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South Atlantic Division

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Hurricane Ivan Ice Model

Landfall Expected Within **24** Hours

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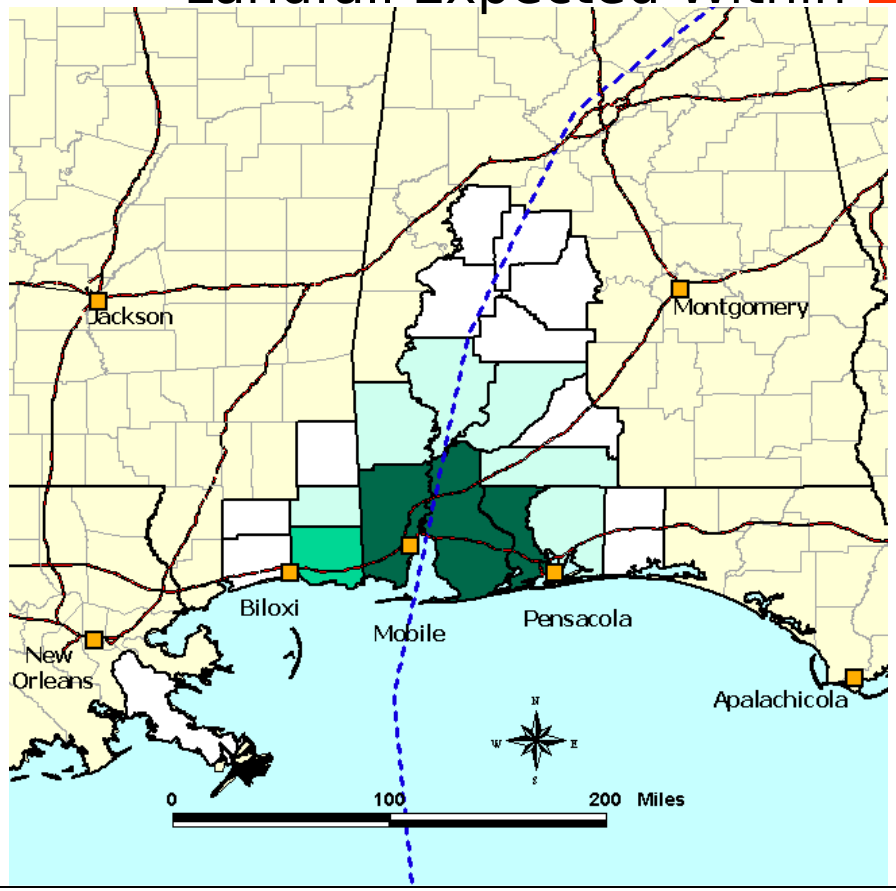

Most Probable Landfall Ice Model Results

Alabama - 2,080,000 pounds
Mississippi – 225,000 pounds
Florida – 615,000 pounds

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 09/15/2004)*** forecast. The intensity of this hurricane has been altered to complete model runs.

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

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Hurricane Ivan Ice Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
0630 EDT
09/15/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

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Savannah District Operation (Power/Housing)

Commander's Critical Information Requirements (CCIR)

- People
  - Safety and Security
  - Accountability
- Ethics
- Missions
  - Changes to current Mission Assignments
  - New Mission Assignments
- COOP
- Response Team Deployments
- Status of Corps Projects
- Future Operations

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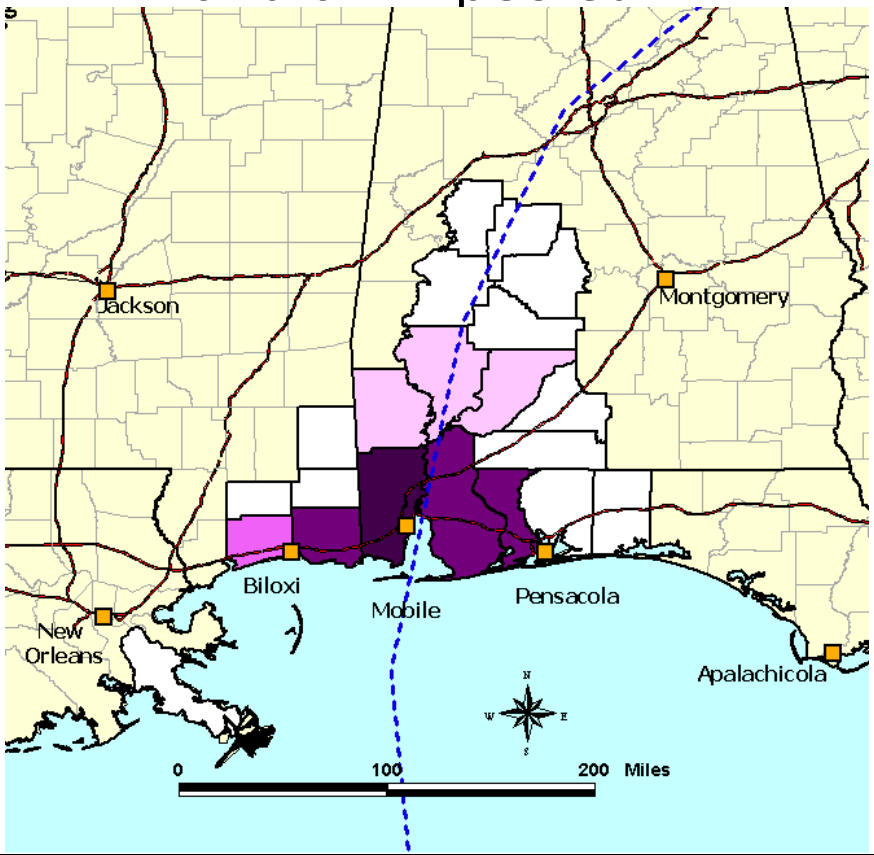
Hurricane Ivan
Temporary Housing Model Results

For Official Use Only!

Landfall Expected Within **24** Hours



Most Probable Landfall Temporary Housing Model Results

Alabama – 21,500 structures
Mississippi – 8,500 structures
Florida – 7,000 structures

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were inclu
ar

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC *(0500 9/15/2004)* forecast.

The amount of temporary housing that may be required is based on no housing need in CAT 1 wind areas, no housing need in CAT 2 wind areas, 4% of housing units lost in CAT 3 wind areas, and 8% of housing units lost in CAT 4 wind areas

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-836-4546

US Army Corps of Engineers
Hurricane Ivan emp Housing Model

Sources: HURREVAC LRL-DEBRIS	**CELRL-OP GIS Group**
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Generated Date 0630 EDT 9/15/2004	Page 1 of 2

US Army Corps of Engineers
South Atlantic Division

Wilmington District Operation (Combined Commodities)

Commander's Critical Information Requirements (CCIR)

- People
  - Safety and Security
  - Accountability
- Ethics
- Missions
  - Changes to current Mission Assignments
  - New Mission Assignments
- COOP
- Response Team Deployments
- Status of Corps Projects
- Future Operations

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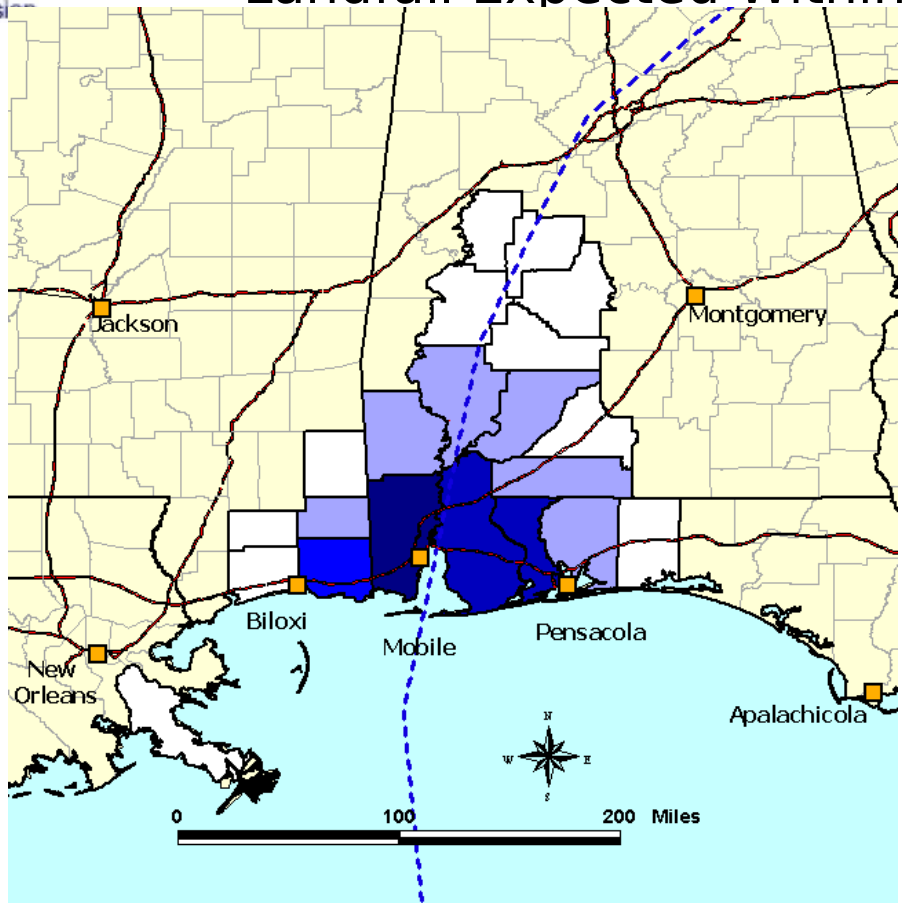
Hurricane Ivan Water Model

Landfall Expected Within **24** Hours

For Official Use Only!



Most Probable Landfall Water Model Results

Alabama – 1,037,000 Liters
Mississippi – 113,000 Liters
Florida – 308,000 Liters

Model results per county on following page

This hurricane scenario is based on a High Category 3 storm making landfall in near proximity to Mobile, AL. A small amount of Cat 4 winds were included in immediate coastal areas and barrier islands.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 09/15/2004)*** forecast.

The amount of water forecasted is based on Mission Guide Book requirements (4 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers	**Hurricane Ivan Water Model**
Sources: HURREVAC LRL-DEBRIS	**CELRL-OP GIS Group**
Generated By: Terry Siemsen **Generated Date** 0630 EDT 09/15/2004	Page 1 of 2

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US Army Corps of Engineers
South Atlantic Division

PFO/FCO/RRCC/State Priorities
(Region IV Federal Objectives)

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Next 24 Hours

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Commander's Critical Information Requirements (CCIR)

- People
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Commander's Guidance

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